

ABSTRACT

The invention concerns a cooling and molding water tank for a plastic complicated profile. The tank comprises a tank body including a front end block, a rear end block, a top cover, two side plates, bottom plate and a plurality of foot plates, which are in bolted or hinged joint. A water inlet pipe is provided near the front end of the side plate, a water outlet pipe is provided near the rear end. A vacuum valve and a vacuum gauge are provided on the top cover. A plurality of molding blocks and water collection plates are provided along the length inside the tank, and they are spaced each other. The distribution of their arrangement is closer to disperser from the front to the end. The advantage of this invention is that: the cooling water flows alternately in cycle of periphery-inner-periphery. It makes the complicated profile cool homogeneously and efficiently upon the high speed extrusion pulling and provides the profile with good molding effect and quality.